

What is claimed is:

1. A voice recognition doorlock apparatus comprising:

5 first input means, having a plurality of input keys, for outputting input key signals corresponding to the input keys whenever the input keys are pressed;

second input means for receiving an analog voice signal and converting the received analog voice signal to a digital voice signal;

10 voice analyzing means for receiving the digital voice signal to extract a specific voice signal from the digital voice signal in a registration mode and storing the extracted specific voice signal in first storing means as an ID of a registration-desiring user;

control means for storing input key signals which is inputted
15 through the first input means in the registration mode and indicates a password; and

doorlock driving means for locking or unlocking a doorlock according to the control of the control means,

wherein the voice analyzing means determines whether a
20 currently inputted digital voice signal matches the specific voice signal stored in the first storing means to generate a first flag signal, as a determining result;

wherein when the currently inputted voice signal matches the specific voice signal stored in the first storing means, the control means
25 determines whether the input key signals currently inputted as the password matches the input key signals stored in the second storing means in response to the first flag signal; and

wherein when the currently input key signals matches the input key signals stored in the second storing means, the control means control the door lock to be unlocked by the doorlock driving means.

5 2. The voice recognition doorlock apparatus of claim 1, further comprising:

voice generating means for generating a voice signal according to the control of the control means; and

first sensing means for sensing an open/close state of a door and
10 transmitting the sensing result to the control means.

3. The voice recognition doorlock apparatus of claim 1, wherein a part of the input keys are disposed outside a door and the other input keys are disposed inside the door.

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4. The voice recognition doorlock apparatus of claim 1, further comprising:

second sensing means for sensing an illegal handling of the input keys disposed inside the door and transmitting the sensing result to the

20 control means.

5. The voice recognition doorlock apparatus of claim 4, wherein when the input keys disposed inside the door are not illegally handled by a person, the control means controls the voice generating
25 means to output a warning sound in response to the sensing result transmitted from the second sensing means.

6. The voice generating doorlock apparatus of claim 5, wherein the voice analyzing means includes a dual tone multi-frequency (DTMF) generator; and.

wherein when the control means generates a second flag signal
5 indicating that the door is forcibly opened, the DTMF generator generates a MTMF signal.

7. The voice recognition doorlock apparatus of claim 6, further comprising radio transmitting means for transmitting the DTMF
10 signal.

8. The voice recognition doorlock apparatus of claim 2, wherein the input keys include an interphone key; and

wherein when the interphone key is pressed, the control means
15 controls the voice generating means to enable a user to output a predetermined voice message signal.

9. The voice recognition doorlock apparatus of claim 8, wherein when the interphone key is pressed, the control means controls
20 the voice analyzing means, the voice generating means, and the first input means to enable the user to a message.

10. The voice recognition doorlock apparatus of claim 9, wherein the input keys include a record key; and

25 wherein when the record key is pressed, the control means controls the voice analyzing means, the voice generating means, and the first input means to enable the user to a message.